SWATARA CREEK BASIN

01572950 INDIANTOWN RUN NEAR HARPER TAVERN, PA

LOCATION.--Lat 40°26'20", long 76°35'55", Lebanon County, Hydrologic Unit 02050305, on left bank, 10 ft downstream from Lake Road bridge over Indiantown Run, 20 ft west of State Highway 443 in Indiantown Gap Military Reservation, 1,500 ft upstream from Marquette Lake, 1.9 mi upstream from State Memorial Lake dam and 2.5 mi north of Harper Tavern.

DRAINAGE AREA.--5.48 mi².

(WY)

PERIOD OF RECORD.--August 2002 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 530 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges and those for period July 13 to Sept. 30, which are poor. Satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES DAY OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP 1.3 ------1.2 2 ------------___ ------------5 0.96 6 0.92 0.91 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ------8 ___ ___ ___ ____ ------0.84 10 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ 0.83 0.87 11 0.98 12 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ 13 15 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ 1.5 ------1.3 17 ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ 18 19 ------------------------------20 ___ ___ ___ ___ ___ ___ ___ ___ 1.4 21 ------___ ___ ___ ___ ___ 22 ___ ___ ___ ___ ___ ___ 2.3 4.4 23 24 25 ---------------------------------1.9 ___ ___ ___ ___ ____ ___ ___ ___ ___ ------1.6 26 27 ---___ ---2.0 ___ ___ ___ ___ ___ ___ ___ 1.0 ---------11 28 ___ 1.1 5.8 1.6 2.7 29 ------------------___ ------------------------------___ 30 31 1.1 TOTAL 57.97 MEAN ---1.93 MAX ---------------------------------11 ------------0.83 MIN CFSM 0.35 ---IN. ------------------------------0.39 STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2002, BY WATER YEAR (WY) MEAN 1.93 ------------------------MAX ---------1.93 2002 (WY) MIN ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ 1.93 ---------------2002

SWATARA CREEK BASIN

01572950 INDIANTOWN RUN NEAR HARPER TAVERN, PA--Continued

DISCHARGE, CUBIC FEET PER SECOND, **WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003**DAILY MEAN VALUES

						D	S. II. VILLUE	.5				
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5	2.1 1.9 1.8 2.0 2.3	11 9.1 7.8 7.1 6.4	7.8 7.0 6.2 5.6 e5.4	32 47 37 30 26	4.7 4.9 4.8 9.4 6.7	11 17 17 14 14	19 18 17 16 16	11 12 10 8.0 8.5	24 20 20 34 28	7.5 6.7 6.1 5.7 5.2	4.0 3.4 3.3 12 9.3	4.6 5.2 6.9 7.8 5.9
6 7 8 9 10	1.9 1.9 1.8 1.8	13 7.8 7.0 6.5 6.3	5.2 e4.6 e4.4 e4.3 e4.2	23 21 20 21 19	e5.3 e5.0 e4.5 e4.9 e4.2	19 17 17 18 17	14 14 14 16 17	8.9 9.9 12 11	24 51 42 34 27	5.9 6.7 5.0 4.6 4.5	26 12 8.9 8.2 7.5	5.2 4.8 4.6 4.7 4.4
11 12 13 14 15	20 14 6.6 4.9 4.1	6.7 11 14 11 9.1	15 24 22 49 41	17 16 15 14 13	e3.6 e3.9 e3.6 e3.4 e3.6	16 15 19 22 23	33 35 29 25 22	10 10 8.8 8.1 7.3	23 23 23 18 15	4.9 4.1 3.8 3.4 3.3	47 30 22 16 12	4.2 4.1 7.9 10 9.2
16 17 18 19 20	15 9.9 6.4 5.3 4.5	11 27 29 21 17	32 25 20 18 36	12 e10 e9.5 e8.5 e7.5	e3.2 e3.5 e4.0 e4.3 e4.0	30 44 56 47 87	20 18 16 15	11 10 7.5 6.4 8.7	13 12 18 13 20	3.3 3.1 4.5 4.9 3.3	12 11 8.4 7.2 6.6	15 8.7 9.4 18 14
21 22 23 24 25	4.0 3.5 3.3 3.1 3.3	17 21 18 16 14	24 22 20 18 18	e6.8 e6.0 e5.5 e5.0 e5.2	e4.5 e4.8 19 16 15	90 55 39 30 26	13 13 11 9.4 9.0	7.9 6.9 6.9 19	34 31 25 21 18	3.2 4.5 12 13 5.9	6.2 5.8 5.4 4.9 4.6	11 11 90 41 27
26 27 28 29 30 31	12 5.7 5.0 5.5 16 16	13 12 11 9.7 9.0	16 14 13 12 12	e4.7 e4.1 e3.7 e3.8 e4.0 4.2	14 13 12 	24 22 19 20 21 20	16 13 12 12 11	29 27 25 21 18 21	16 13 12 10 8.5	5.0 4.4 4.1 3.7 3.4 3.3	4.5 5.0 4.5 4.2 4.9 4.5	19 14 12 9.3 8.0
TOTAL MEAN MAX MIN CFSM IN.	188.4 6.08 20 1.8 1.11 1.28	379.5 12.7 29 6.3 2.31 2.58	517.7 16.7 49 4.2 3.05 3.51	451.5 14.6 47 3.7 2.66 3.06	189.8 6.78 19 3.2 1.24 1.29	886 28.6 90 11 5.22 6.01	506.4 16.9 35 9.0 3.08 3.44	388.8 12.5 29 6.4 2.29 2.64	670.5 22.4 51 8.5 4.08 4.55	159.0 5.13 13 3.1 0.94 1.08	321.3 10.4 47 3.3 1.89 2.18	396.9 13.2 90 4.1 2.41 2.69
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)												
MEAN MAX (WY) MIN (WY)	6.08 6.08 2003 6.08 2003	12.7 12.7 2003 12.7 2003	16.7 16.7 2003 16.7 2003	14.6 14.6 2003 14.6 2003	6.78 6.78 2003 6.78 2003	28.6 28.6 2003 28.6 2003	16.9 16.9 2003 16.9 2003	12.5 12.5 2003 12.5 2003	22.4 22.4 2003 22.4 2003	5.13 5.13 2003 5.13 2003	10.4 10.4 2003 10.4 2003	7.58 13.2 2003 1.93 2002

e Estimated.

SWATARA CREEK BASIN

01572950 INDIANTOWN RUN NEAR HARPER TAVERN, PA--Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR	WATER YEARS 2002 - 2003
ANNUAL TOTAL	5055.8	
ANNUAL MEAN	13.9	13.9
HIGHEST ANNUAL MEAN		13.9 2003
LOWEST ANNUAL MEAN		13.9 2003
HIGHEST DAILY MEAN	90 Mar 21,Sep 23	90 Mar 21 2003
LOWEST DAILY MEAN	1.8 Oct 3,8,9	0.83 Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	1.9 Oct 3	0.88 Sep 5 2002
MAXIMUM PEAK FLOW	203 Mar 20	203 Mar 20 2003
MAXIMUM PEAK STAGE	3.61 Mar 20	3.61 Mar 20 2003
INSTANTANEOUS LOW FLOW	1.8 Oct 3,7-10	0.83 Sep 10 2002
ANNUAL RUNOFF (CFSM)	2.53	2.53
ANNUAL RUNOFF (INCHES)	34.32	34.34
10 PERCENT EXCEEDS	27	27
50 PERCENT EXCEEDS	11	11
90 PERCENT EXCEEDS	4.0	4.0

